

**IN THE ABSTRACT**

Please replace the Abstract with the attached revised  
Abstract located at the end of this document.

**ABSTRACT OF THE DISCLOSURE**

A new type of microwave applicator has been disclosed. The applicator according to an embodiment of the invention makes use of an evanescent main power-transferring mode. This evanescent mode is complemented by a second mode, which is a propagating mode that has the purpose of providing a counter-directed magnetic field in the y-direction at the horizontal, y-directed applicator wall opening. The effect of the cooperation of the two applicator modes is that the field pattern extends over a significant distance below the applicator opening, such that a load placed below the applicator opening is heated by a field pattern of the mode combination.